L Number	Hits	Search Text	DB	Time stamp
-	1	6594700.pn.	USPAT	2003/09/26 08:46
-	1	6151634.pn.	USPAT	2003/09/26 08:47
-	1	5920700.pn.	USPAT	2003/09/26 08:48
-	1	6014706.pn.	USPAT	2003/09/26 08:49
-	1	5915094.pn.	USPAT	2003/09/26 08:50
-	1	5918213.pn.	USPAT	2003/09/26 08:51
-	1	5913039.pn.	USPAT	2003/09/26 09:03
-	2315	709/225,226,229,231.ccls.	USPAT	2003/09/26 09:03
-	39	709/225,226,229,231.ccls. and (video and purchas$ and applet)	USPAT	2003/09/26 09:20
-	37	709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)	USPAT	2003/09/26 09:16
-	4	(709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)) not (709/225,226,229,231.ccls. and (video and purchas$ and applet))	USPAT	2003/09/26 09:16
-	109	((video or multimedia) and purchas$ and (download same applet))	USPAT	2003/09/26 09:21
-	43	(709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet))	USPAT	2003/09/26 09:21
-	101	(((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))	USPAT	2003/09/26 09:21
-	15	((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.	USPAT	2003/09/26 09:24
-	16818	709/$.ccls.	USPAT	2003/09/26 09:25
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-	34	(((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and 709/$.ccls.) not (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.)	USPAT	2003/09/26 10:19

| - | 92 | ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet))) or (709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and 709/$.ccls.) not (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.) | USPAT | 2003/09/26 10:20 |
| - | 43 | (((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet))) or (709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and 709/$.ccls.) not (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.)) not ((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) | USPAT | 2003/09/26 10:20 |

-	0	((((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet))) or (709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and 709/$.ccls.) not (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.)) not ((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet))))) and preview.ab.	USPAT	2003/09/26 10:20
-	7	(multimedia and preview).ab.	USPAT	2003/09/26 10:23
-	7	((multimedia and preview).ab.) not (((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet))) or (709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and 709/$.ccls.) not (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.))	USPAT	2003/09/26 10:20
-	83	((multimedia or video) and (preview or try)).ab.	USPAT	2003/09/26 10:24

| - | 76 | (((multimedia or video) and (preview or try)).ab.) not (((multimedia and preview).ab.) not (((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet))) or (709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and 709/$.ccls.) not (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.))) | USPAT | 2003/09/26 10:24 |
| - | 0 | ((((multimedia or video) and (preview or try)).ab.) not (((multimedia and preview).ab.) not (((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet))) or (709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and 709/$.ccls.) not (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet))))) and applet.ab.)))) and (applet same download) | USPAT | 2003/09/26 10:24 |

-	0	((((multimedia or video) and (preview or try)).ab.) not (((multimedia and preview).ab.) not (((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet))) or (709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and 709/$.ccls.) not (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.)))) and (appletnload)	USPAT	2003/09/26 10:24
-	0	((((multimedia or video) and (preview or try)).ab.) not (((multimedia and preview).ab.) not (((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet))) or (709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and 709/$.ccls.) not (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.)) or (((((video or multimedia) and purchas$ and (download same applet))) not ((709/225,226,229,231.ccls. and (video and purchas$ and applet)) or (709/225,226,229,231.ccls. and (multimedia and purchas$ and applet)))) and applet.ab.)))) and (applet)	USPAT	2003/09/26 10:25

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-	1	5925097.pn.	USPAT	2003/09/27 14:34
-	1	6560636.pn.	USPAT	2003/09/27 14:38
-	2	6,311,209.pn. or 5,987,376.pn.	USPAT	2003/09/27 14:40
-	1825	709/201,205,206.ccls.	USPAT	2003/09/27 14:41
-	9	709/201,205,206.ccls. and leader.ab.	USPAT	2003/09/27 14:48
-	8	709/201,205,206.ccls. and bot	USPAT	2003/09/27 14:45
-	0	(709/201,205,206.ccls. and bot) and age	USPAT	2003/09/27 14:45
-	0	(709/201,205,206.ccls. and bot) and old	USPAT	2003/09/27 14:46
-	1	(709/201,205,206.ccls. and bot) and oldest	USPAT	2003/09/27 14:46
-	10662	(irc or irq or chat or bot or (instant adj messaging))	USPAT	2003/09/27 14:47
-	0	"1109" and age.ab.	USPAT	2003/09/27 14:46
-	9	((irc or irq or chat or bot or (instant adj messaging))) and age.ab.	USPAT	2003/09/27 14:46
-	197	(irc or irq or chat or bot or (instant adj messaging)).ab.	USPAT	2003/09/27 14:47
-	0	((irc or irq or chat or bot or (instant adj messaging)).ab.) and oldest.ab.	USPAT	2003/09/27 14:53
-	0	((irc or irq or chat or bot or (instant adj messaging)).ab.) and age.ab.	USPAT	2003/09/27 14:47
-	52	709/201,205,206.ccls. and (master or commander or guide).ab.	USPAT	2003/09/27 14:53
-	52	(709/201,205,206.ccls. and (master or commander or guide).ab.) not (709/201,205,206.ccls. and leader.ab.)	USPAT	2003/09/27 14:52
-	5	(709/201,205,206.ccls. and (master or commander or guide).ab.) and player	USPAT	2003/09/27 14:52
-	3	((irc or irq or chat or bot or (instant adj messaging)).ab.) and leader.ab.	USPAT	2003/09/27 14:53
-	11	((irc or irq or chat or bot or (instant adj messaging)).ab.) and (master or commander or guide).ab.	USPAT	2003/09/27 14:57
-	14	(((irc or irq or chat or bot or (instant adj messaging)).ab.) and leader.ab.) or ((((irc or irq or chat or bot or (instant adj messaging)).ab.) and (master or commander or guide).ab.)	USPAT	2003/09/27 14:53

-	11	((((irc or irq or chat or bot or (instant adj messaging)).ab.) and leader.ab.) or (((irc or irq or chat or bot or (instant adj messaging)).ab.) and (master or commander or guide).ab.)) not (709/201,205,206.ccls. and (master or commander or guide).ab.)	USPAT	2003/09/27 14:54
-	11	(((((irc or irq or chat or bot or (instant adj messaging)).ab.) and leader.ab.) or (((irc or irq or chat or bot or (instant adj messaging)).ab.) and (master or commander or guide).ab.)) not (709/201,205,206.ccls. and (master or commander or guide).ab.)) not (709/201,205,206.ccls. and leader.ab.)	USPAT	2003/09/27 14:55
-	38514	internet or www	USPAT	2003/09/27 14:55
-	630	(internet or www) and player.ab.	USPAT	2003/09/27 14:55
-	0	((internet or www) and player.ab.) and leader.ab.	USPAT	2003/09/27 14:55
-	23	((internet or www) and player.ab.) and host.ab.	USPAT	2003/09/27 14:55
-	17	((internet or www) and player.ab.) and (master or commander or guide).ab.	USPAT	2003/09/27 14:57
-	17	(((internet or www) and player.ab.) and (master or commander or guide).ab.) not (((internet or www) and player.ab.) and host.ab.)	USPAT	2004/05/10 08:03
-	4156	709/201,205,206,220,222,223.ccls.	USPAT	2004/05/10 08:03
-	0	709/201,205,206,220,222,223.ccls. and (redundant and leader).ab.	USPAT	2004/05/10 08:04
-	1	709/201,205,206,220,222,223.ccls. and (redundant same leader)	USPAT	2004/05/10 08:05
-	12	709/201,205,206,220,222,223.ccls. and (leader).ab.	USPAT	2004/05/10 08:13
-	3	5704032.pn. or 5696896.pn. or5699501.pn. or 5787249.pn.	USPAT	2004/05/10 08:15
-	4	5704032.pn. or 5696896.pn. or 5699501.pn. or 5787249.pn.	USPAT	2004/05/10 08:15

US006199180B1

(12) **United States Patent**   (10) **Patent No.:**   **US 6,199,180 B1**
Ote et al.   (45) **Date of Patent:**   **Mar. 6, 2001**

(54) **COMPUTER MANAGEMENT SYSTEM**

(75) Inventors: **Ichiro Ote**, Chigasaki; **Hiroshi Furukawa**, Yokohama; **Hiroaki Washimi**, Chigasaki; **Yuichi Kobayashi**, Kawasaki; **Shigeru Sakurai**, Zama; **Teiji Karasaki**; **Yuji Miyagawa**, both of Owariasahi; **Masami Murai**, Hadano; **Tsunehiro Tobita**, Yokohama, all of (JP)

(73) Assignee: **Hitachi, Ltd.**, Tokyo (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/475,057**

(22) Filed: **Dec. 30, 1999**

Related U.S. Application Data

(63) Continuation of application No. 09/144,174, filed on Aug. 31, 1998, which is a continuation of application No. 08/655, 482, filed on May 30, 1996.

(30)   **Foreign Application Priority Data**

May 31, 1995   (JP) 7-133177

(51) Int. Cl.^{7} G06F 11/00
(52) U.S. Cl. 714/31
(58) Field of Search 714/31, 46, 47, 714/25, 39, 14, 22; 709/223, 224; 364/280.3; 713/300, 320, 340

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Assistant Examiner—Pierre E. Elisca
(74) *Attorney, Agent, or Firm*—Antonelli, Terry, Stout & Kraus, LLP

(57)   **ABSTRACT**

A computer management system includes an agent connected to a computer to be managed for executing instructions on the computer to be managed, a service processor board having a processor independent from the computer to be managed for monitoring fault in the computer to be managed and controlling power of the computer to be managed, a manager for executing instructions on a management computer and conducting controls such as fault monitoring and power control through the agent over a network including a public line, and a service processor manager directly connected to the service processor for conducting remote power-on and receiving and diagnosing critical fault. The service processor and the service processor manager are provided with switching circuits for switching an asynchronous interface for remotely connecting to the computer to be managed and an asynchronous interface for directly connecting to a local processor of the service processor.

6 Claims, 23 Drawing Sheets